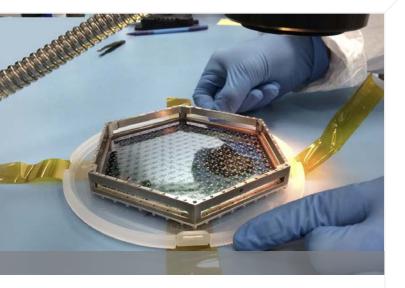
# Semiconductor



Optimized for cleanroom environments, DSTI rotary unions reduce downtime and enhance equipment life.

Semiconductor manufacturing labs demand noncontaminating integration with strict requirements for maintaining high levels of accuracy and performance.

DSTI is dedicated to the success of their customers by being a world-class provider of innovative rotary union solutions for the semiconductor industry. DSTI offers distinct design advantages due to their exclusive dedication to rotary union engineering.

### **Applications**

- + Compact designs for miniature robotic arm actuators
- + Integrated designs for CMP wafer polishing and grinding
- + Supply/return rotary unions for system cooling requirements

Integrated electrical slip ring options



+ SINGLE PASSAGE + 30 RPM + 100 PSI + MEDIA: GAS + MATERIAL: STAINLESS STEEL

Specialized Example 1 - designed to handle temperatures as low as -290 degrees F. Features include a specialized assembly for use in a vacuum environment where out gassing cannot occur and leakage cannot escape to atmosphere.

+ 5 PASSAGES + 50 RPM + 100 PSI + MEDIA: GAS + MATERIAL: ALUMINUM

Specialized Example 2 - designed for a miniature robotic arm actuator application in a cleanroom environment. Features an all aluminum, lightweight structure and an integrated electrical slip ring for data transfer.







# **About Us**







## DSTI specializes in the design and manufacturing of application-specific fluid solutions worldwide.

Between our proven technology and long-term experience working with highly complex applications, we aim to achieve our customers' project goals by reducing costs, increasing efficiency, and decreasing risks.

Our core business segments are fluid rotary unions, electrical slip rings, and value-added products and services providing a singlesource solution from design and manufacturing through to testing and qualification - all under one roof.

We conduct our operations to ensure our people work together and take responsibility for the health and safety of ourselves and others, to minimize our impact on the environment and to ensure the best quality in products and services.



### LET'S TALK ABOUT YOUR PROJECT

Contact DSTI to learn more about how we can help you achieve your next project's goals.

phone +1 763-404-8000 email sales@dsti.com web www.dsti.com

### **IN-HOUSE CAPABILITIES & SERVICES**



**ENGINEERING** & SIMULATION





**PROJECT MANAGEMENT** 



**INSPECTION & QUALITY MANAGEMENT** 



**CNC PRECISION MACHINING** 



**WELDING & FABRICATION** 

